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Quiz 4

September 29

1. Tabular Q-Learning and SARSA

i.

$$Q(A, \text{Down}) = -1$$

$$Q(B, \text{Up}) = 1.5$$

ii.

$$Q(A, \text{Down}) = -1$$

$$Q(B, \text{Up}) = 1.5$$

2. Approximate Q-Learning

i. Down is the action prescribed, as its projected Q value according to the function is 3, while up would be 2

ii. $w_1 = .8333$

iii. $w_2 = .8333$